

ABSTRACT OF DISCLOSURE

A fusing system and a temperature control method thereof for use in an image forming apparatus. The fusing system comprises a control unit having a controller.

- 5 The controller determines whether to initiate a heater driving-start timing, on the basis of one of a first time t_1 and a third time t_3 , and a second time t_2 , when a sheet of printing paper is picked up by the pickup roller, or when a leading end of the sheet of the printing paper picked up by the pickup roller operates the paper jam sensor, the first time t_1 being a time when the sheet of printing paper is picked up to a point of time when the sheet of printing paper arrives at the
- 10 fusing roller, the second time t_2 being a time required until a heat generated from the heater arrives at a surface of the fusing roller, and the third time t_3 being a time from when the sheet of printing paper operates the paper jam sensor to when the sheet of printing paper is arrives at the fusing roller.